

Title (en)  
RETAINING BOLT

Title (de)  
HALTEBOLZEN

Title (fr)  
BOULON DE FIXATION

Publication  
**EP 2406517 B1 20121017 (DE)**

Application  
**EP 09781094 A 20090727**

Priority  

- EP 2009059630 W 20090727
- DE 102008042298 A 20080923
- DE 102009027737 A 20090715

Abstract (en)  
[origin: WO2010034541A1] The invention relates to a retaining bolt (6) for attaching a brake caliper (2) to a support (7). Said retaining bolt (6) is hollow and comprises a retaining element (11) which is fixed on one side in a cavity (10) of the retaining bolt (6), supporting a permanent magnet (16) on a free end. When the retaining bolt (6) is moved due to an external load, the permanent magnet (16) moves in the cavity (10) of the retaining bolt (6) and the modification of the magnetic field thus produced can be measured by a magnetic sensor (14). Said retaining bolt (6) allows the braking power of the disk brake (1) to be measured.

IPC 8 full level  
**F16D 66/00** (2006.01)

CPC (source: EP US)  
**F16D 55/02** (2013.01 - EP US); **G01L 3/1478** (2013.01 - EP US); **F16D 2055/0008** (2013.01 - EP US); **F16D 2055/0012** (2013.01 - EP US); **F16D 2066/003** (2013.01 - EP US); **F16D 2066/005** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010034541 A1 20100401**; EP 2406517 A1 20120118; EP 2406517 B1 20121017; US 2012097490 A1 20120426

DOCDB simple family (application)  
**EP 2009059630 W 20090727**; EP 09781094 A 20090727; US 200913377507 A 20090727